

CLAIMS

1 1. A mounting system for mounting a radio frequency antenna and radio
2 frequency access point of a wireless local area network communication system on top of
3 a support surface; said mounting system comprising:
4 (a) a freely movably board member for placement on top of the support surface;
5 said board member including a top surface; said top surface having a first area for
6 receiving the antenna of the wireless local area network communication system, and
7 having a second area for receiving the access point of the wireless local area network
8 communication system; and
9 (b) a protective cover attached to said top surface of said board member for
10 covering the antenna of the wireless local area network communication system.

1 2. The mounting system of claim 1 in which said board member has a bottom
2 surface; said bottom surface of said board member is flat for laying on top of the support
3 surface.

1 3. The mounting system of claim 2 in which the support surface is a suspended
2 ceiling; and in which said board member can be freely moved around on top of the
3 suspended ceiling to fine-tune the area of coverage of the access point.

1 4. The mounting system of claim 1 in which said board member has a plurality of
2 openings for allowing the access point transmitter to be attached.

1 5. The mounting system of claim 1 in which said board member has a plurality of
2 openings for allowing the access point transmitter to be attached and for allowing wall
3 mounting brackets to be attached.

1 6. The mounting system of claim 1 in which said board member is radio wave
2 transparent.

1 7. A method for mounting and fine-tuning the coverage area of an access point
2 transceiver of a wireless local area network communication system on a support surface,
3 the wireless local area network communication system having coaxial input cabling, said
4 method comprising the steps of:

5 (a) providing an access point transceiver;

6 (b) providing an antenna for said access point transceiver;

7 (c) providing a freely movably board member having a top surface and a bottom
8 surface;

9 (d) mounting said access point transceiver to said top surface of said board
10 member;

11 (e) mounting said antenna to said top surface of said board member;

12 (f) providing a protective cover for said antenna;

13 (g) mounting said protective cover to said top surface of said board member over
14 said antenna;

15 (h) providing antenna coaxial cabling for joining said access point transceiver
16 and said antenna;

17 (i) connecting said antenna to said access point transceiver with said antenna

18 coaxial cabling and with said antenna coaxial cabling extending through said protective
19 cover;

20 (j) placing said board member on the support surface;

21 (k) connecting said access point transceiver to the coaxial input cabling of the
22 wireless local area network communication system; and

23 (l) moving said board member on the support surface to fine-tune the area of
24 coverage of said access point transceiver.